

NSCSC Middle School Algebra I Benchmark Checklist

	Description	Mastery	1st	2nd	3rd	4th
43	Add, subtract, multiply, and divide positive and negative fractions. (Alg – Chap. 0, Sec. 4,5)	75%				
44	Solve equations with more than one operation, having variables on both sides. (Alg – Chap.2, Sec. 3, 4)	75%				
45	Use an algebraic equation to solve word problems involving consecutive integers and perimeter. (Alg – Chap. 2, Sec. 3)	75%				
46	Solve proportions. (Alg – Chap. 2, Sec. 6)	75%				
50	Write linear equations for given information. (Alg – Chap. 4, Sec. 2,3)	75%				
51	Graph linear equations. (Alg – Chap. 3, Sec. 1 and Chap. 4, Sec. 1)	75%				
53	Properties of Exponents (Alg –Chapter 7)	75%				
54	Simplify numerical expressions (Alg – Chap. 1, Sec. 2)	75%				
61	Solve inequalities with one variable and graph on a number line. (Alg – Chap. 5, Sec. 1,2,3)	75%				
62	Solve systems of two equations in two variables. (Alg – Chap. 6, Sec. 1,2,3,4)	75%				
63	Use a system of equations to solve word problems. (Alg – Chap. 6, Sec. 2,3,4)	75%				
64	Simplify polynomial expressions. (Alg – Chap. 7, Sec. 1,2,5,6,7)	75%				
65	Factor polynomial expressions. (Alg – Chap. 8, Sec. 2,3,4,5,6)	75%				
67	Use quadratic equations to solve word problems. (Alg – Chap. 8, Sec. 2,3,4,5,6)	75%				
68	Simplify rational expressions. (Alg – Chap. 11, Sec. 3,4,6,7)	75%				
69	Solve rational equations. (Alg – Chap. 11, Sec. 8)	75%				
70	Simplify radical expressions. (Alg – Chap. 10, Sec. 2,3)	75%				
71	Solve radical equations. (Alg – Chap. 10, Sec. 4)	75%				
72	Solve quadratic equations having real roots. (Alg – Chap. 9 , Sec. 4,5)	75%				